

VENTILATION AND VOLUME CHANGE MEASUREMENTS USING PERMANENT MAGNET AND MAGNET SENSOR AFFIXED TO BODY

ABSTRACT OF THE DISCLOSURE

Apparatus for measuring ventilation of a body having a surface that moves in response to the ventilation. The apparatus may include a first permanent magnet, a first magnet attachment mechanism configured to attach the first magnet to the surface, a first magnetic sensor having an output, a first sensor attachment mechanism configured to attach the first sensor to the surface, and a processing system configured to communicate with the magnetic sensor and to determine the ventilation based on the output of the magnetic sensor. An associated process is also disclosed, along with broader applications of the apparatus and process.